RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10 574,018 B

Source: IFilo

Date Processed by STIC: 2/26/07

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: /0/ S74, 0/8B   CRF Edit Date: 2/26/07
                                       Edited by: ___

____ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

____ Corrected the SEQ ID NO. Sequence numbers edited were:

_____

____ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

_____

✓ Deleted: ___ invalid beginning/end-of-file text ; ___ page numbers

____ Inserted mandatory headings/numeric identifiers, specifically:

_____

____ Moved responses to same line as heading/numeric identifier, specifically:

_____

✓ Other: Corrected Amino Acid numbering for
Seq ID #3, Intended spacing for
Seq ID #4.

```
         RAW SEQUENCE LISTING                    DATE: 02/26/2007
         PATENT APPLICATION:  US/10/574,018B     TIME: 11:46:52

         Input Set : N:\KEISHA\10574018b.txt
         Output Set: N:\CRF4\02262007\J574018B.raw

   3 <110> APPLICANT: The Hospital for Sick Children
   5 <120> TITLE OF INVENTION: Method of in situ Detection of Proteins Using
   6       Aptamers
   8 <130> FILE REFERENCE: 3206-276 LAB
  10 <140> CURRENT APPLICATION NUMBER: 10/574,018B
C--> 11 <141> CURRENT FILING DATE: 2006-03-29
  14 <150> PRIOR APPLICATION NUMBER: U.S. 60/506776
  15 <151> PRIOR FILING DATE: 2003-09-30
  17 <160> NUMBER OF SEQ ID NOS: 9
  19 <170> SOFTWARE: PatentIn Ver. 3.1
  22 <210> SEQ ID NO: 1
  23 <211> LENGTH: 59
  24 <212> TYPE: DNA
  25 <213> ORGANISM: Artificial Sequence
  27 <220> FEATURE:
  28 <223> OTHER INFORMATION: Primer
  30 <400> SEQUENCE: 1
  32 tgacgtaagc ttaggatgga ctataaagac gatgacgata aaccagtaac gttatacga      59
  35 <210> SEQ ID NO: 2
  36 <211> LENGTH: 62
  37 <212> TYPE: DNA
  38 <213> ORGANISM: Artificial Sequence
  40 <220> FEATURE:
  41 <223> OTHER INFORMATION: Primer
  43 <400> SEQUENCE: 2
  45 ctataaggta ccgccccctc cacttccacc gcccccagag gcggtttgcg tattgggcgc      60
  46 ca                                                                    62
  50 <210> SEQ ID NO: 3
  51 <211> LENGTH: 12
  52 <212> TYPE: PRT
  53 <213> ORGANISM: Artificial Sequence
  55 <220> FEATURE:
  56 <223> OTHER INFORMATION: Chemically Synthesized
  58 <400> SEQUENCE: 3
  60 Met Gly Tyr Pro Tyr Asp Val Pro Asp Tyr Ala Gly
  61 1               5                   10
  64 <210> SEQ ID NO: 4
  65 <211> LENGTH: 73
  66 <212> TYPE: DNA
  67 <213> ORGANISM: Artificial Sequence
  69 <220> FEATURE:
  70 <223> OTHER INFORMATION: Primer
  72 <400> SEQUENCE: 4
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75 attagataaa agt                                                      73
78 <210> SEQ ID NO: 5
79 <211> LENGTH: 45
80 <212> TYPE: DNA
81 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
84 <223> OTHER INFORMATION: Primer
86 <400> SEQUENCE: 5
88 tagattggat ccaccgcctc ctttaagttg tttttctaat ccgca                   45
91 <210> SEQ ID NO: 6
92 <211> LENGTH: 41
93 <212> TYPE: DNA
94 <213> ORGANISM: Artificial Sequence
96 <220> FEATURE:
97 <223> OTHER INFORMATION: Primer
101 <400> SEQUENCE: 6
103 gcgtgtgcca gaattgtgag cgctcacaat ttcttgaatc t                      41
106 <210> SEQ ID NO: 7
107 <211> LENGTH: 41
108 <212> TYPE: DNA
109 <213> ORGANISM: Artificial Sequence
111 <220> FEATURE:
112 <223> OTHER INFORMATION: Primer
114 <400> SEQUENCE: 7
116 agattcaaga aattgtgagc gctcacaatt ctggctcacg c                      41
119 <210> SEQ ID NO: 8
120 <211> LENGTH: 41
121 <212> TYPE: DNA
122 <213> ORGANISM: Artificial Sequence
124 <220> FEATURE:
125 <223> OTHER INFORMATION: Primer
127 <400> SEQUENCE: 8
129 tcgagtttac tccctatcag tgatagagaa cgtatgtcgc c                      41
132 <210> SEQ ID NO: 9
133 <211> LENGTH: 41
134 <212> TYPE: DNA
135 <213> ORGANISM: Artificial Sequence
137 <220> FEATURE:
138 <223> OTHER INFORMATION: Primer
140 <400> SEQUENCE: 9
142 ggcgacatac gttctctatc actgataggg agtaaactcg t                      41
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VERIFICATION SUMMARY   DATE: 02/26/2007
PATENT APPLICATION: **US/10/574,018B**   TIME: 11:46:53

Input Set : **N:\KEISHA\10574018b.txt**
Output Set: **N:\CRF4\02262007\J574018B.raw**

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date

Raw Sequence Listing before editing
(for reference only)

IFWO

RAW SEQUENCE LISTING   DATE: 02/20/2007
PATENT APPLICATION: US/10/574,018B   TIME: 15:05:52

Input Set : **N:\DA\10574018.RAW.txt**
Output Set: **N:\CRF4\02202007\J574018B.raw**

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   3 <110> APPLICANT: The Hospital for Sick Children
   5 <120> TITLE OF INVENTION: Method of in situ Detection of Proteins Using
   6       Aptamers
   8 <130> FILE REFERENCE: 3206-276 LAB
  10 <140> CURRENT APPLICATION NUMBER: 10/574,018B
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  14 <150> PRIOR APPLICATION NUMBER: U.S. 60/506776
  15 <151> PRIOR FILING DATE: 2003-09-30
  17 <160> NUMBER OF SEQ ID NOS: 9
  19 <170> SOFTWARE: PatentIn Ver. 3.1
```

ERRORED SEQUENCES

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  50 <210> SEQ ID NO: 3
  51 <211> LENGTH: 12
  52 <212> TYPE: PRT
  53 <213> ORGANISM: Artificial Sequence
  55 <220> FEATURE:
  56 <223> OTHER INFORMATION: Chemically Synthesized
  58 <400> SEQUENCE: 3
  60  Met Gly Tyr Pro Tyr Asp Val Pro Asp Tyr Ala Gly
E--> 61
  64 <210> SEQ ID NO: 4
  65 <211> LENGTH: 73
  66 <212> TYPE: DNA
  67 <213> ORGANISM: Artificial Sequence
  69 <220> FEATURE:
  70 <223> OTHER INFORMATION: Primer
  72 <400> SEQUENCE: 4
E--> 74 gggttttaag cttaccatgg gatatcccta tgatgtgcca gactacgcgg gaatgtctag 60  attagataaa
E--> 75 agt                                                                      73
 132 <210> SEQ ID NO: 9
 133 <211> LENGTH: 41
 134 <212> TYPE: DNA
 135 <213> ORGANISM: Artificial Sequence
 137 <220> FEATURE:
 138 <223> OTHER INFORMATION: Primer
 140 <400> SEQUENCE: 9
 142 ggcgacatac gttctctatc actgataggg agtaaactcg t                           41
E--> 145 - 3 -
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 02/20/2007
PATENT APPLICATION: US/10/574,018B   TIME: 15:05:53

Input Set : **N:\DA\10574018.RAW.txt**
Output Set: **N:\CRF4\02202007\J574018B.raw**

Invalid Line Length:
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:4; Line(s) 74

VERIFICATION SUMMARY   DATE: 02/20/2007
PATENT APPLICATION: **US/10/574,018B**   TIME: 15:05:53

Input Set : **N:\DA\10574018.RAW.txt**
Output Set: **N:\CRF4\02202007\J574018B.raw**

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:61 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:3
L:74 M:334 E: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:8
L:75 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:4
L:75 M:254 E: No. of Bases conflict, LENGTH:Input:73 Counted:3 SEQ:4
L:75 M:252 E: No. of Seq. differs, <211> LENGTH:Input:73 Found:3 SEQ:4
L:145 M:254 E: No. of Bases conflict, this line has no nucleotides.